IN THE CLAIMS

Claims 1-14 (withdrawn)

Claims 15-18 (cancelled)

Claims 19-30 (withdrawn)

31(new). Method for providing an array of nucleic acid molecules bound to a carrier, comprising:

a) identifying an AFLP-marker in a cDNA sample, wherein the AFLP-marker is an AFLP-marker from a microorganism or a human and is representative of the presence, the absence, or the state of a environmentally or genetically influenced or determined state or disease;

b) providing a nucleic acid molecule that comprises at least part of the nucleotide sequence of the AFLP-marker;

c) attaching the nucleic acid molecule to the carrier; and

d) optionally repeating steps a) to c) for different AFLP markers to build up and provide an array.

32(new). Method according to claim 31, comprising:

a) analyzing at least two cDNA samples using AFLP-methodology to provide a cDNA-AFLP fingerprint, and identifying an AFLP-marker;

b)   isolating from the AFLP-fingerprint a nucleic acid molecule

representing the AFLP-marker;

c)   optionally further amplifying, purifying, sequencing and/or

modifying the nucleic acid molecule;

d)   attaching the nucleic acid molecule to the carrier; and

e)   optionally repeating steps a) to d) for different bands

and/or for different cDNAs to build up an array.